

Figure 1
(PRIOR ART)

180 →

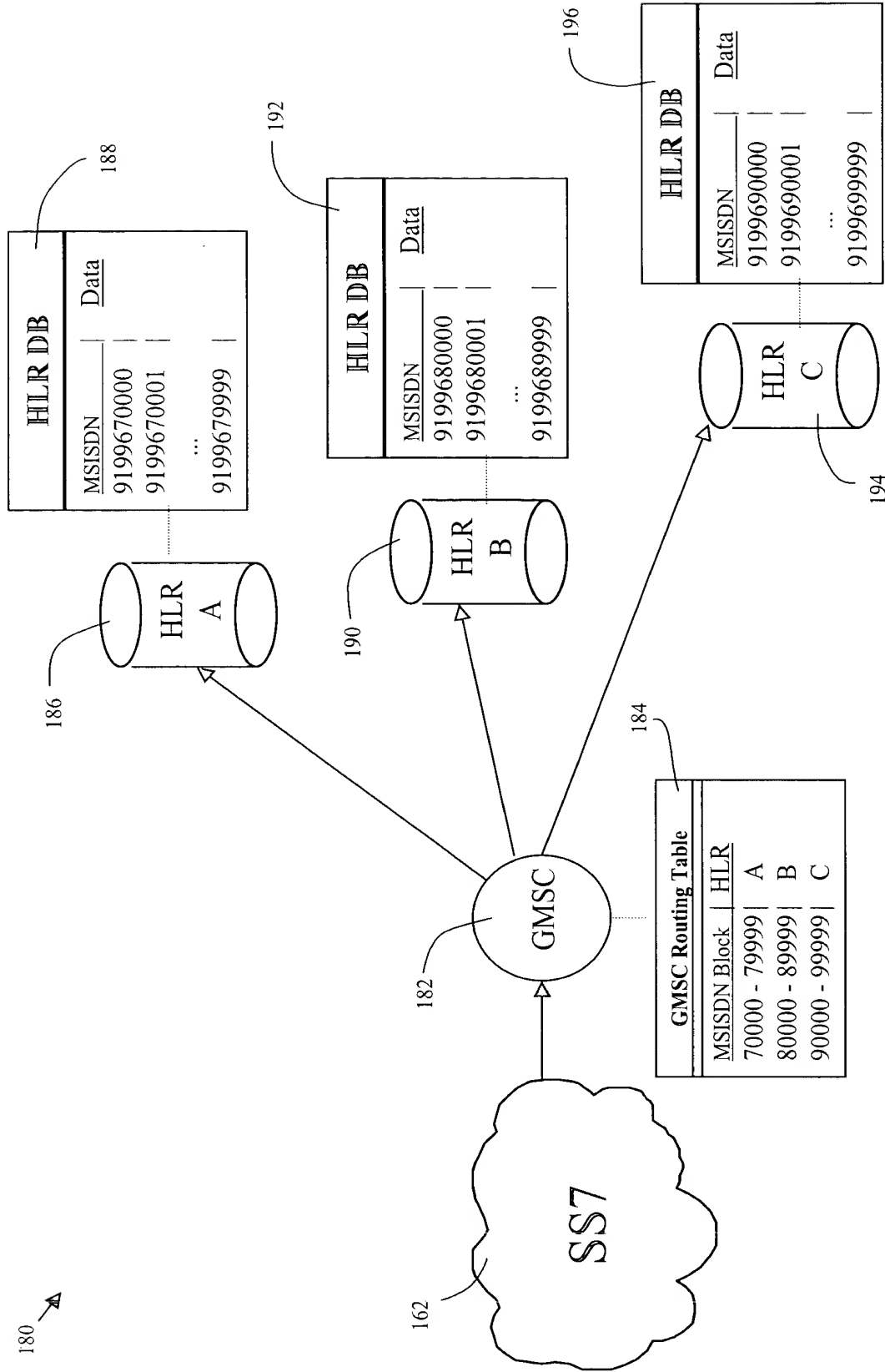


Figure 3

(PRIOR ART)

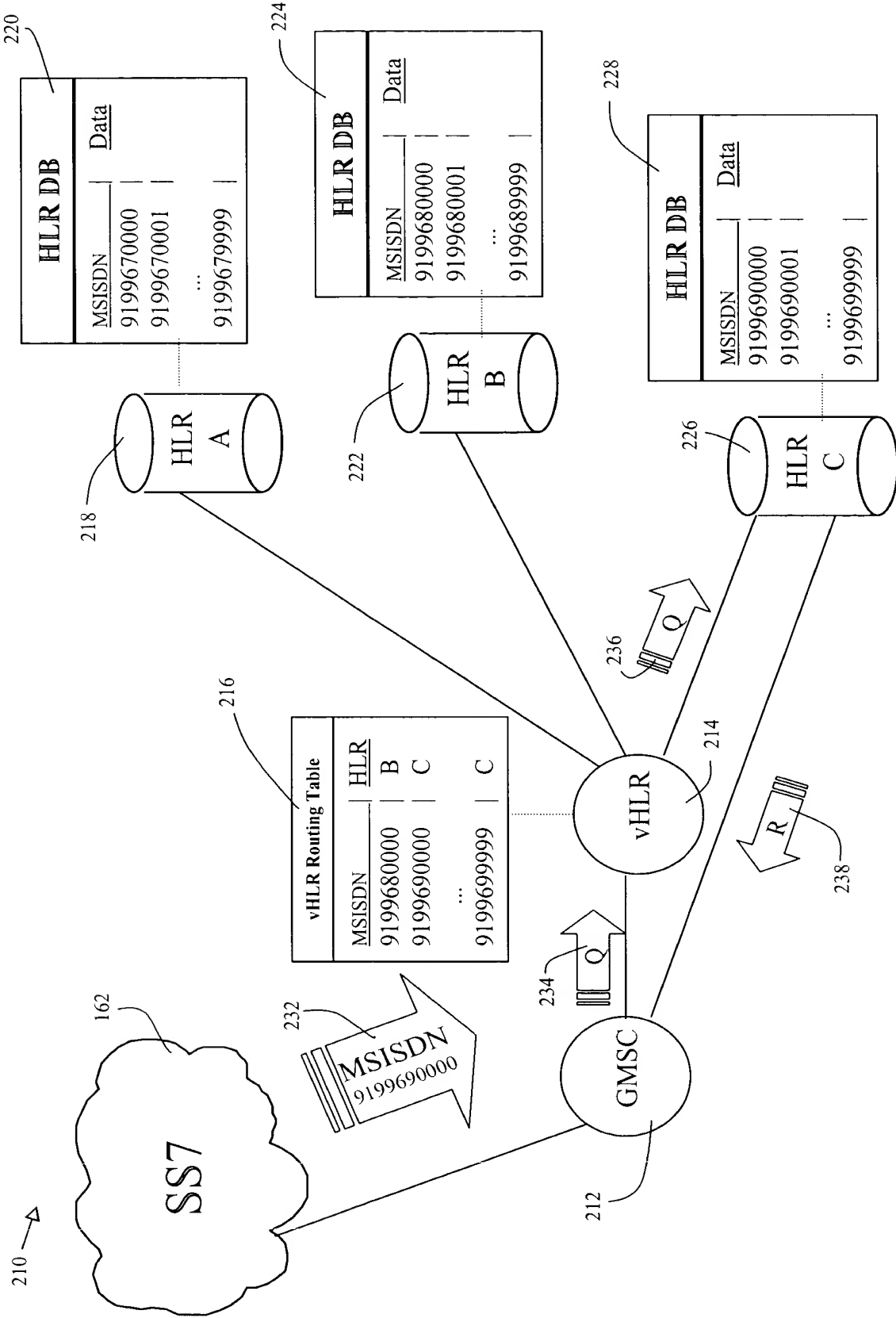
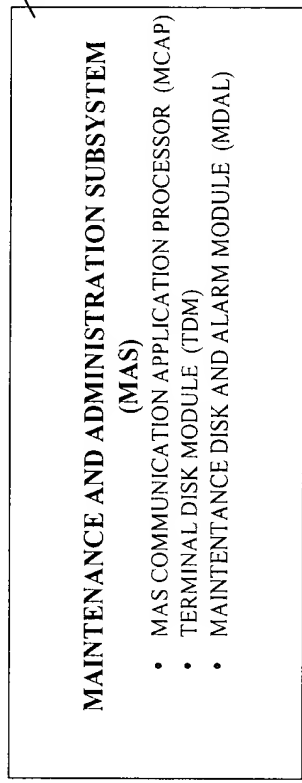


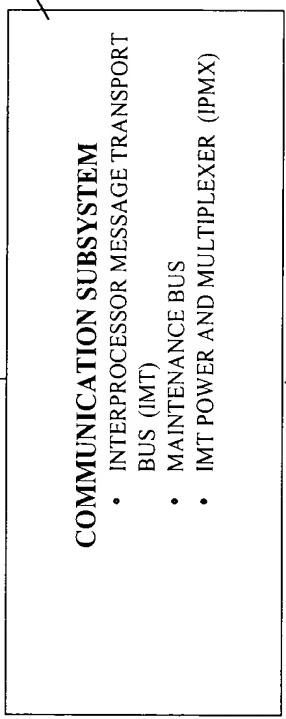
Figure 4
(PRIOR ART)

250

252



254



256

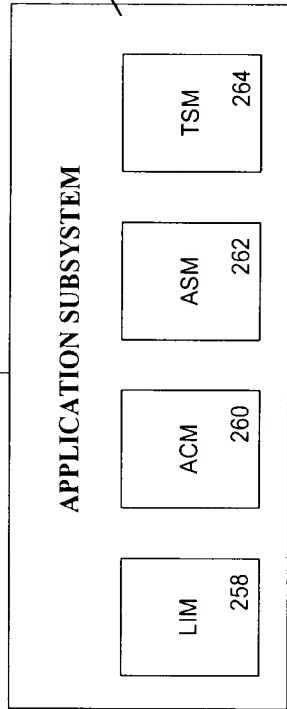


Figure 5
(PRIOR ART)

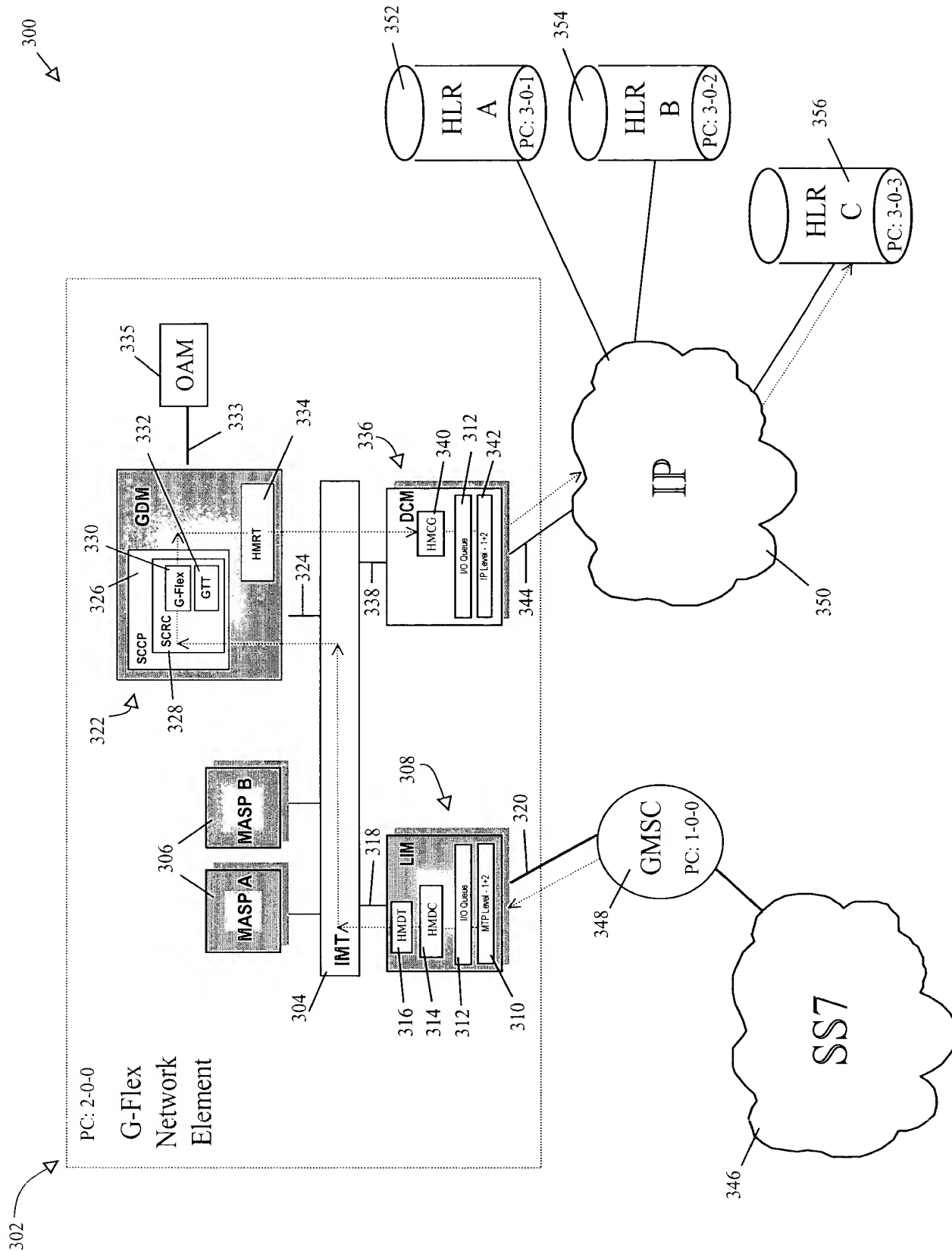


Figure 6

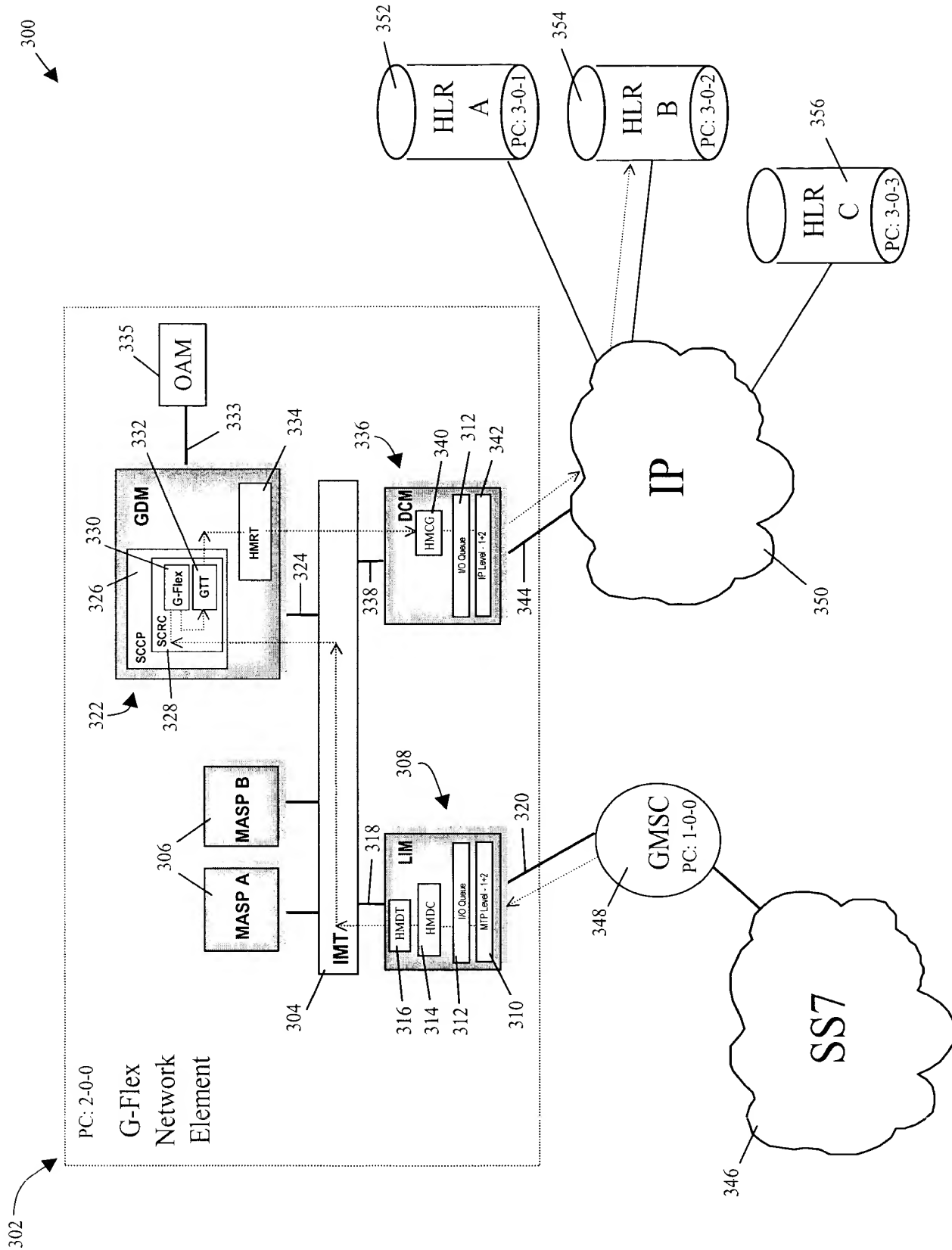


Figure 7

330

G-FLEX DATABASE									
KEY			DATA FIELDS						
MIN	Entity		PC	SSN	RI	RCGT	ENTITY ADDRESS		
9193803833	HLR		3-0-3	6	RT-ON-SSN	NO	3033211234 (HLRC)		
2123675637	HLR		3-0-2	6	RT-ON-SSN	NO	2023211234 (HLRB)		
7704545731	HLR		3-0-3	6	RT-ON-SSN	NO	3033211234 (HLRC)		
2125662322	HLR		4-0-0	--	RT-ON-GT	YES	1013211234 (HLRA)		
4143286672	MSC		6-0-1	--	RT-ON-GT	YES	4146773497 (SMSCB)		

Figure 9a

332

GTT DATABASE					
KEY FIELDS			DATA FIELDS		
MINIMUM	MAXIMUM		PC	SSN	RI
9199670000	9199679999		3-0-2	6	RT-ON-SSN
7707880000	7707889999		3-0-2	6	RT-ON-SSN
9199699000	9199699999		3-0-3	6	RT-ON-SSN

Figure 9b

PARAM.	ORIGINAL	TRANSLTD
OPC	1-0-0	2-0-0
DPC	2-0-0	3-0-3
CGPA	1-0-0: 7	1-0-0: 7
CDPA:SSN	6	6
CDPA:GTD	9193803833	9193803833
CDPA:TT	0	0
CDPA:GTI	4	4
CDPA:NP	E.164	E.164
CDPA:NAI	NATIONAL	NATIONAL
CDPA:RI	RT-ON-GT	RT-ON-SSN

Figure 10a

PARAM.	ORIGINAL	TRANSLTD
OPC	1-0-0	2-0-0
DPC	2-0-0	3-0-2
CGPA	1-0-0: 7	1-0-0: 7
CDPA:SSN	6	6
CDPA:GTD	7707883438	7707883438
CDPA:TT	0	0
CDPA:GTI	4	4
CDPA:NP	E.164	E.164
CDPA:NAI	NATIONAL	NATIONAL
CDPA:RI	RT-ON-GT	RT-ON-SSN

Figure 10b

PARAM.	RECV	TRANSLTD
OPC	4-0-0	2-0-0
DPC	2-0-0	4-0-0
CGPA	1-0-0: 7	1-0-0: 7
CDPA:SSN	6	6
CDPA:GTD	2125662322	1013211234
CDPA:TT	0	0
CDPA:GTI	4	4
CDPA:NP	E.164	E.164
CDPA:NAI	NATIONAL	NATIONAL
CDPA:RI	RT-ON-GT	RT-ON-GT

Figure 10c

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graph LR
    ST1([PROCESSING OF SSCP MSGS]) --> ST2[DECODE SSCP PORTION]
    ST2 --> ST3[SERVICE SELECTION  
(KEY = CDPA  
GT'S GTI, TT,  
NP, AND NAI)]
    ST3 --> ST4{G-FLEX  
SERVICE  
INDICATOR?}
    ST4 -- YES --> ST6[DETERMINE  
ENTITY  
USING CDPA  
SSN]
    ST4 -- NO --> ST5[GTT]
    ST6 --> ST7{ENTITY  
= HLR or  
SMSC?}
    ST7 -- YES --> CONT([CONT.])
    ST7 -- NO --> ST5
    ST5 --> DONE([DONE])
  
```

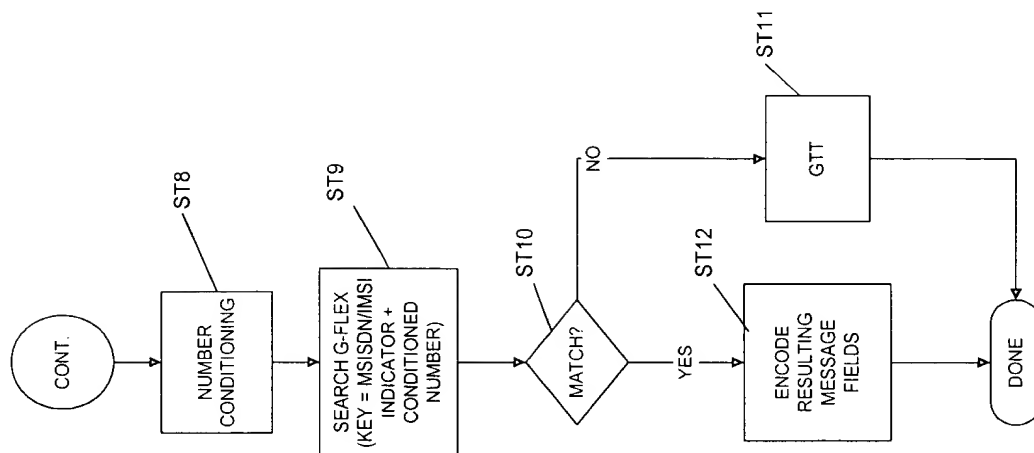


Figure 11

500

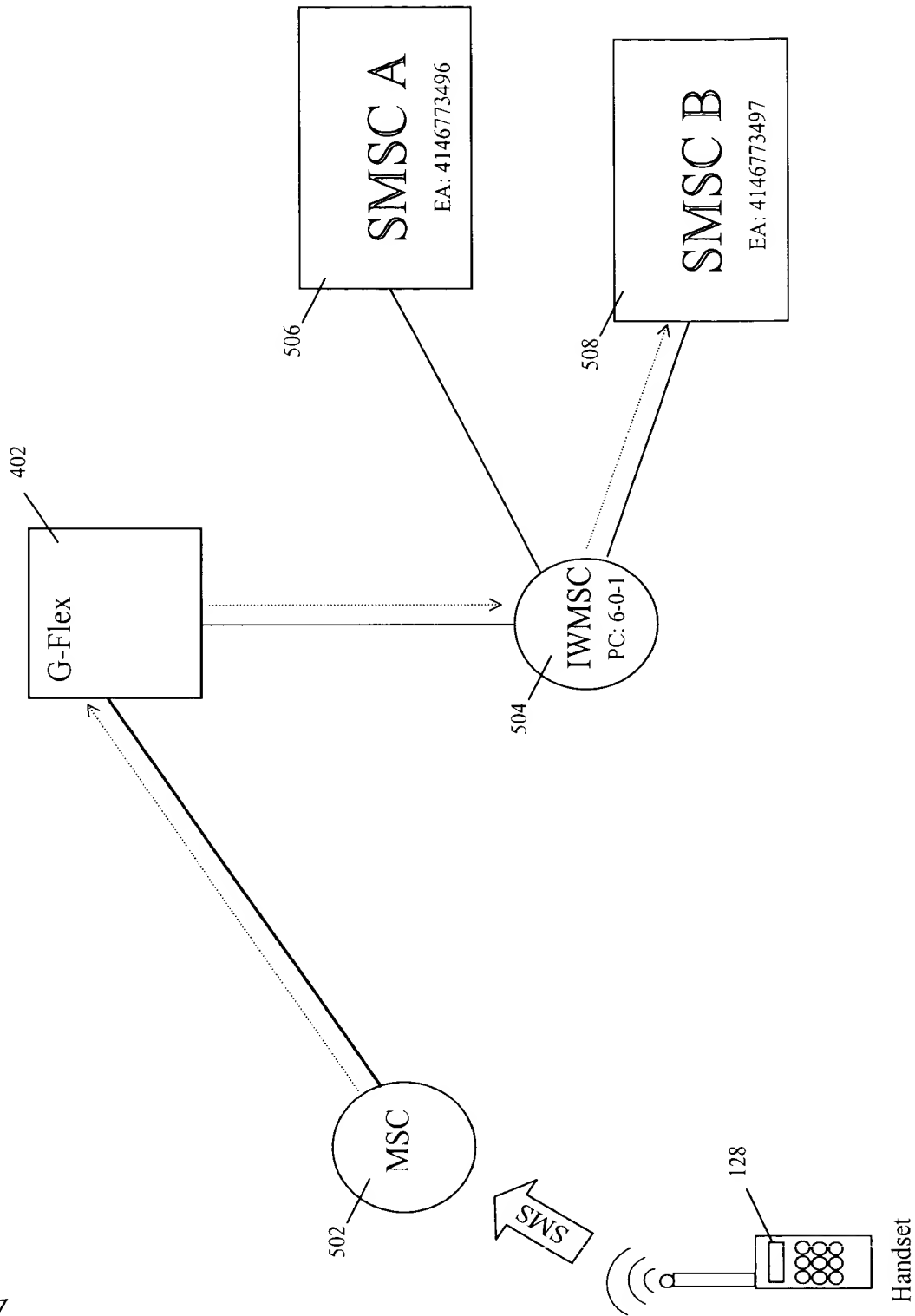


Figure 12